

### REMARKS

Claims 1-36 are pending. By this Amendment, claims 1, 9, 23 and 28-35 are amended and new claim 36 has been added.

The undersigned would like to thank Examiner Man Tai for extending the courtesy of the telephonic interview on March 7, 2007, to discuss the above-identified patent application and the pending claims. The following remarks include issues addressed during the interview, and may be considered as a record of the substance of the interview, supplementing any interview summary prepared by the Examiner.

The independent claims (1, 28, and 29) have been amended to address the 35 U.S.C. §101 rejections regarding statutory subject matter. The claims as amended are believed to produce a “useful, concrete and tangible result,” and thus overcome the rejection. For example, claim 1 as amended includes the step of “providing an output of parameters describing the solution.” Support for this amendment is found at Para. [0052] of the published application, which refers to FIG. 13, and which states, “This allows the method to generate (step 7) the current distribution and coefficients of the partial waves and output desired parameters describing the solution.” (Emphasis added.) Since the added claim language is explicitly provided in the text of the specification, and illustrated in FIG. 13, no new matter has been added. Similar language has been added to independent claims 28 and 29. Withdrawal of the rejections is respectfully requested.

Regarding claim 29, the Examiner further noted that the term “carrier” in the preamble of claim 29 is considered as “wave carrier.” However, this is not what was intended by the original language of the claim, and it should not be so limited in its interpretation. Rather, the phrase “record carrier product, readable by a computer apparatus” in the preamble of claim 29 is intended to claim a computer-readable medium (in light of *In Re Beauregard*, 53 F.3d 1583 (Fed. Cir. 1995)). The preamble of claim 29 has been amended herein to clarify this, and now reads: “A computer-readable medium carrying computer program instructions which, when executed by a processor of the computer, cause the processor to solve equations representing wave propagation within a region by performing the steps ...” Thus, claim 29 should be interpreted as an apparatus claim directed to a computer-readable medium.

Claim 9 has been amended solely to correct a typographical error, and is therefore not being made for a reason related to patentability. Additionally, claim 23 has been amended, and new claim 36 added, in light of the amendment to claim 1, and claims 30 – 35 have been amended in light of the amendment to claim 29.

In view of the foregoing, it is submitted that this application is in condition for allowance. Favorable consideration and prompt allowance of the application are respectfully requested.

The Examiner is invited to telephone the undersigned if the Examiner believes it would be useful to advance prosecution.

Respectfully submitted,

/Robert Day/

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